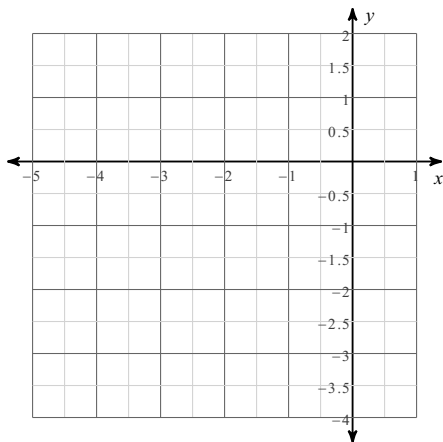


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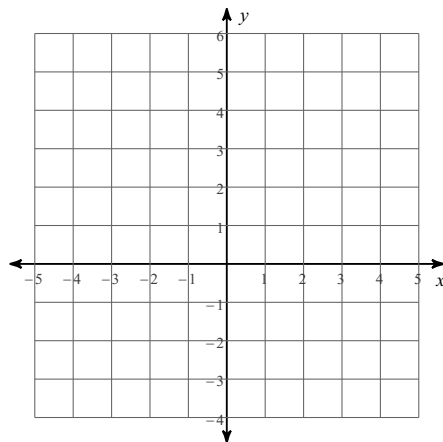
Date _____ Period _____

**STEPS: (1) Sketch the graph of each function. (2) Find the solutions (zeros / x-intercepts).
(3) Give the vertex coordinate & tell if it is a min or max.**

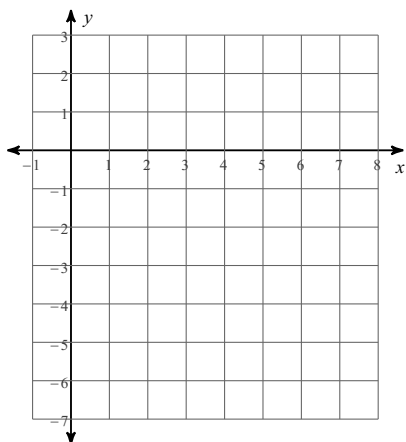
1) $y = -x^2 - 4x - 3$



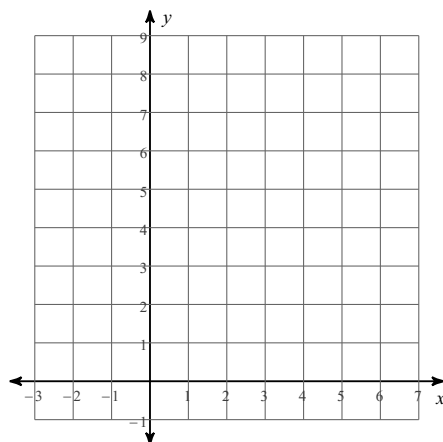
2) $y = 2x^2 - 12x + 15$



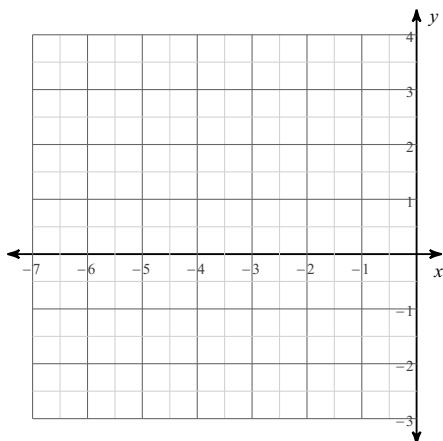
3) $y = -2x^2 + 16x - 30$



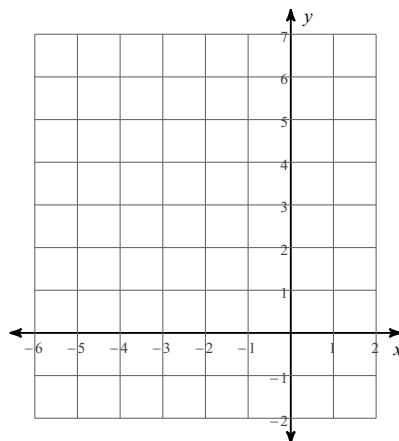
4) $y = 2x^2$



5) $y = x^2 + 9x + 19$



6) $y = 2x^2 + 14x + 23$

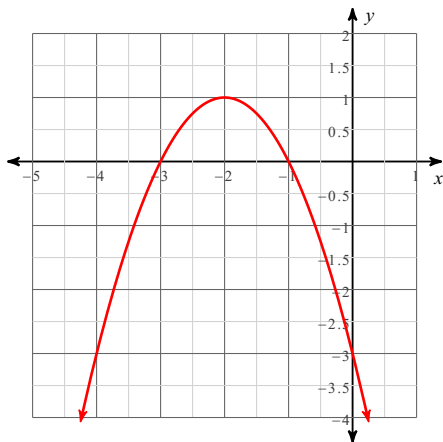


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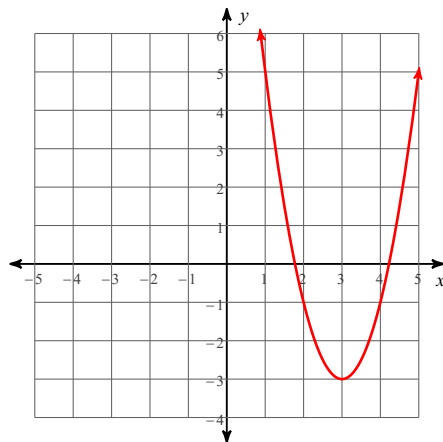
Date _____ Period _____

STEPS: (1) Sketch the graph of each function. (2) Find the solutions (zeros / x-intercepts). (3) Give the vertex coordinate & tell if it is a min or max.

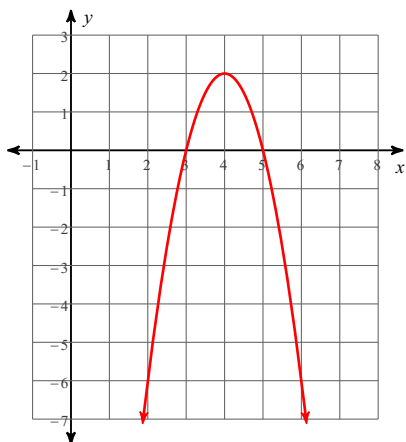
1) $y = -x^2 - 4x - 3$



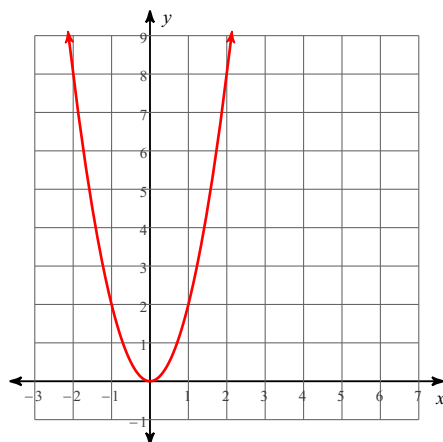
2) $y = 2x^2 - 12x + 15$



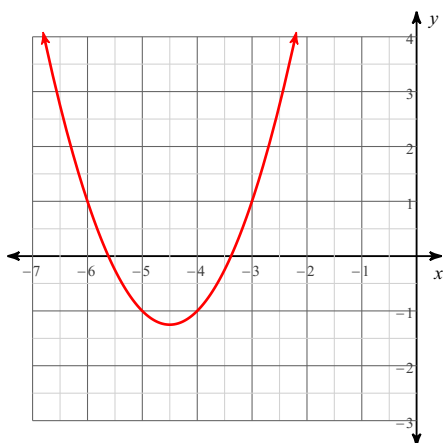
3) $y = -2x^2 + 16x - 30$



4) $y = 2x^2$



5) $y = x^2 + 9x + 19$



6) $y = 2x^2 + 14x + 23$

